

66377-394450

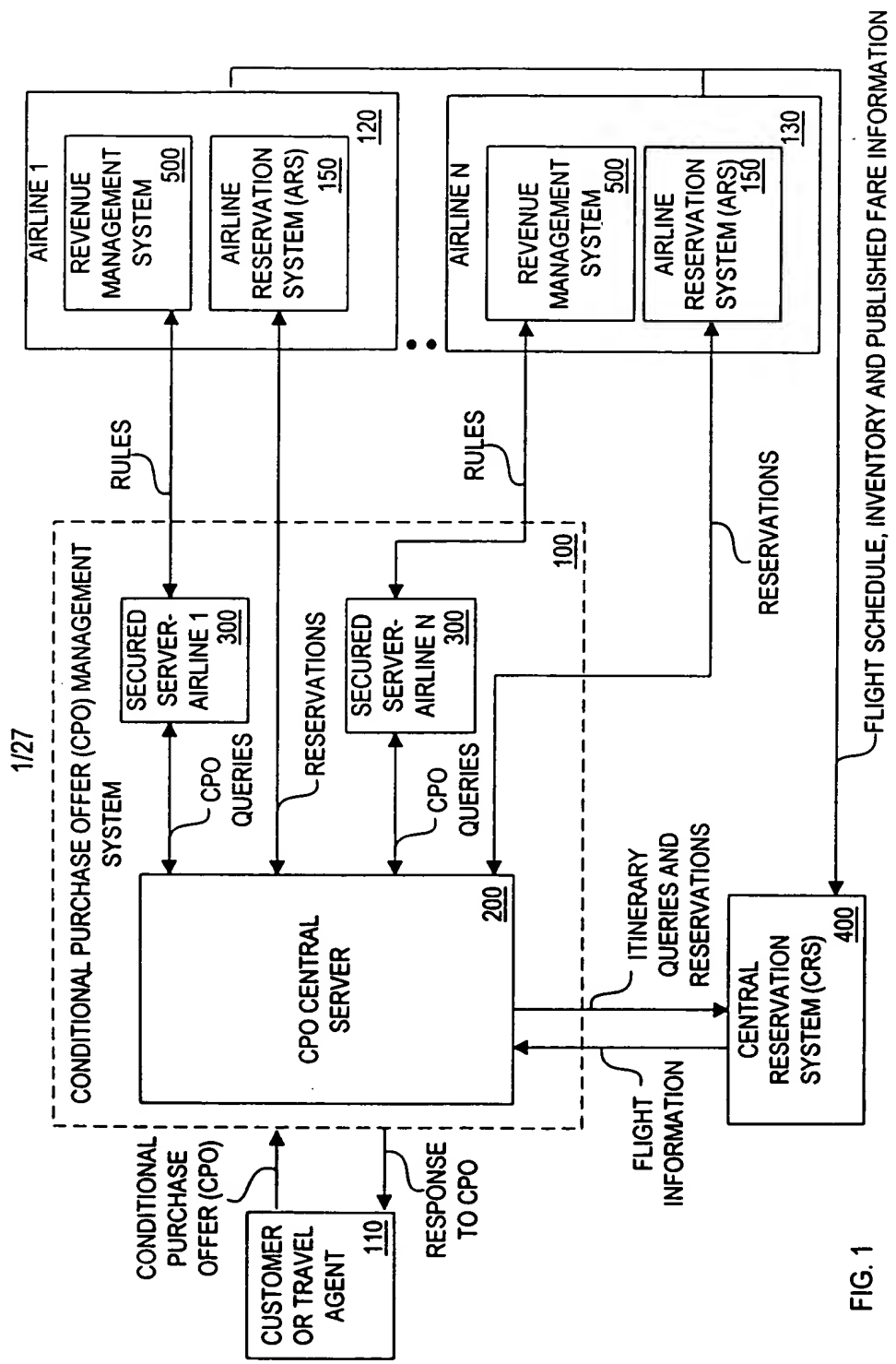


FIG. 1

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CPO MANAGEMENT
CENTRAL SERVER

200

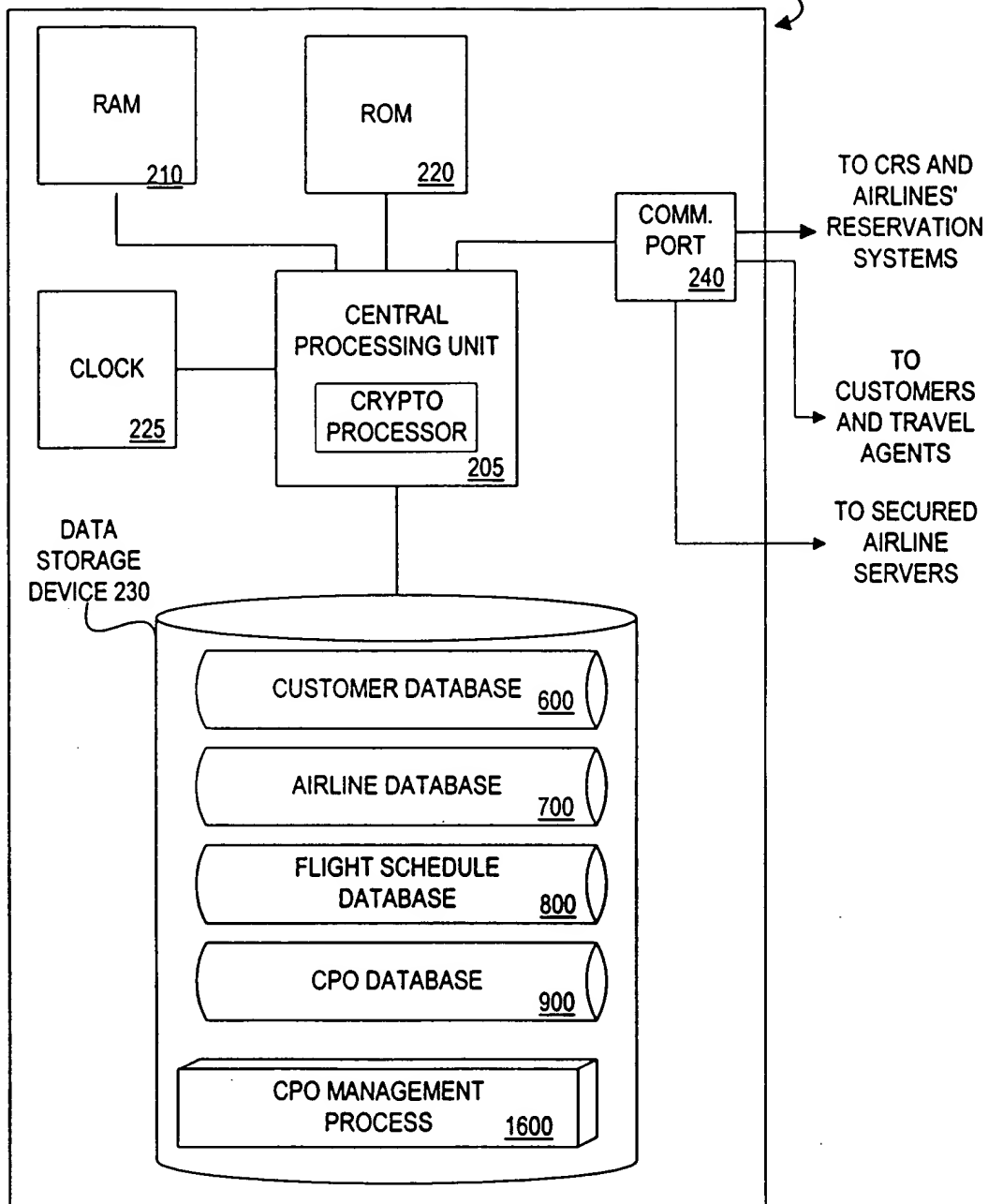


FIG. 2

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SECURED AIRLINE SERVER

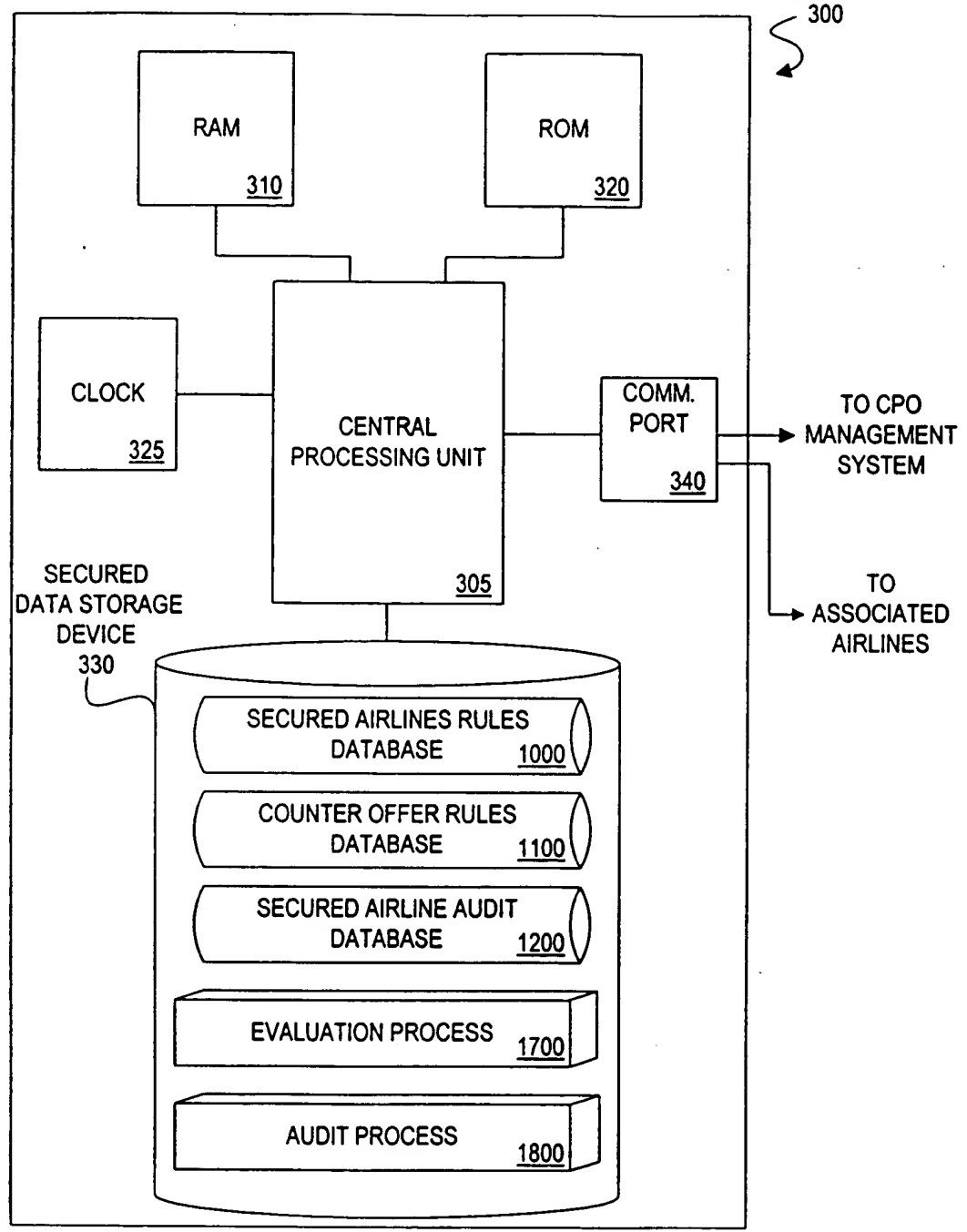


FIG. 3

05443153-14399

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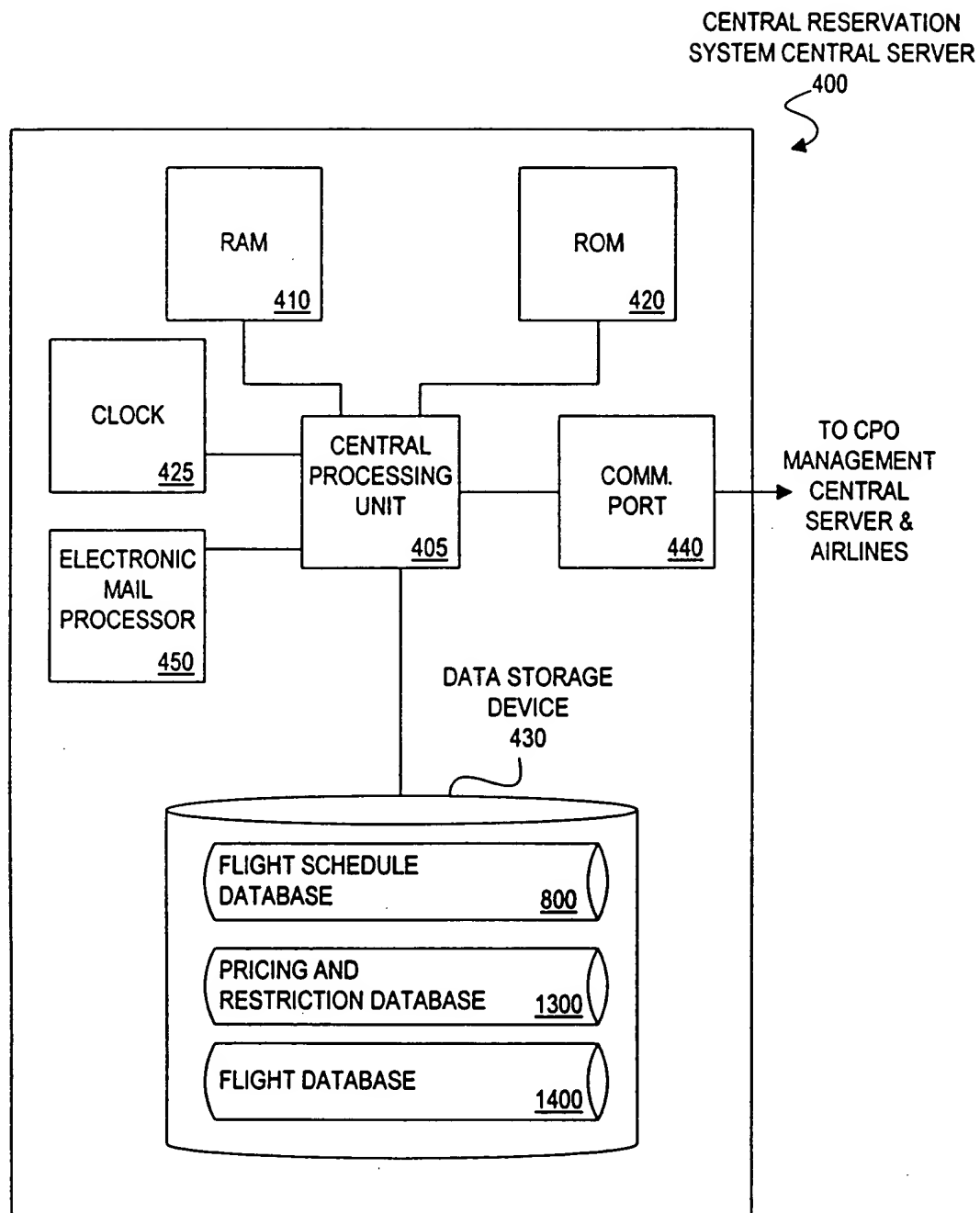


FIG. 4

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REVENUE MANAGEMENT
SYSTEM
500

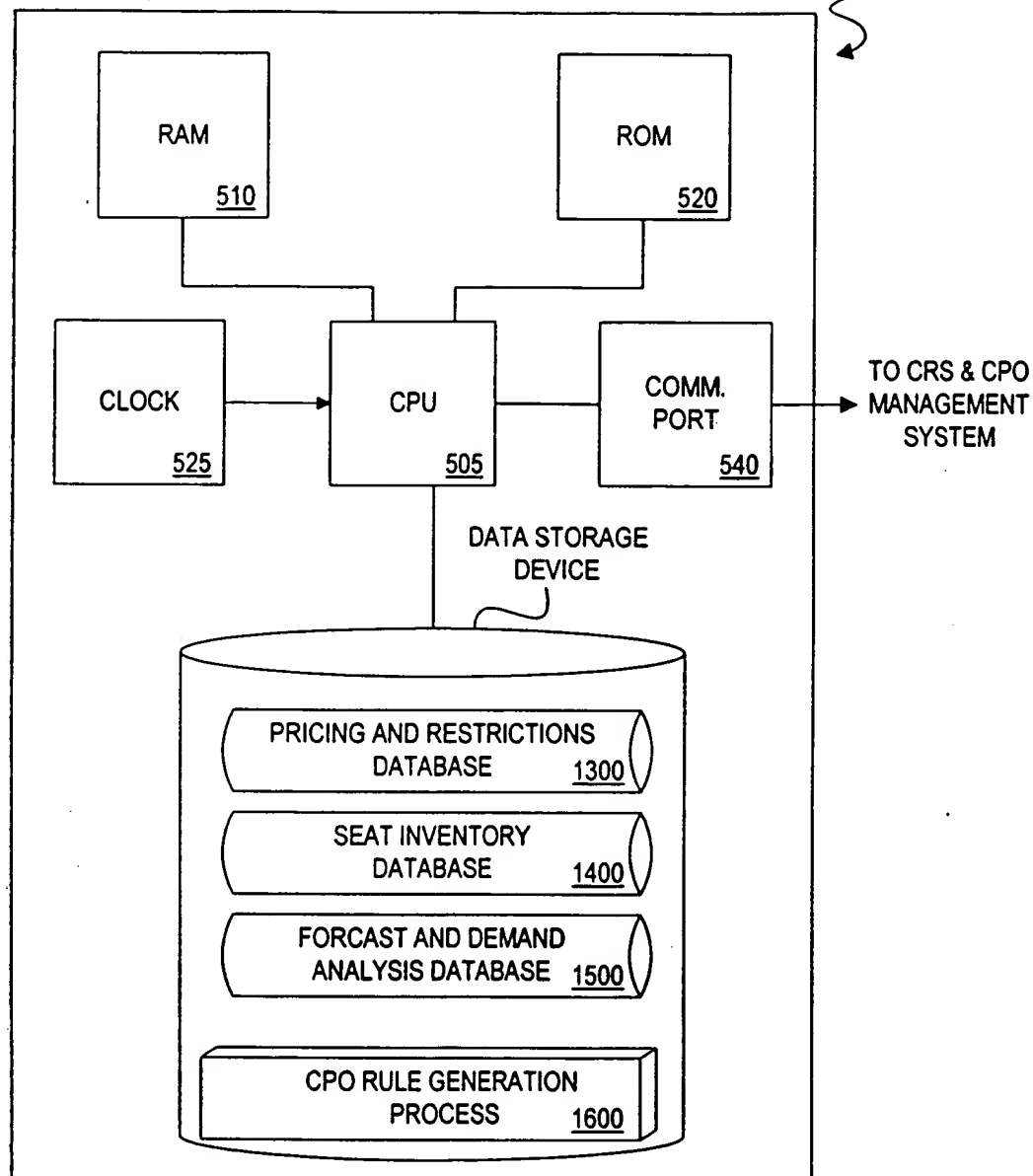


FIG. 5

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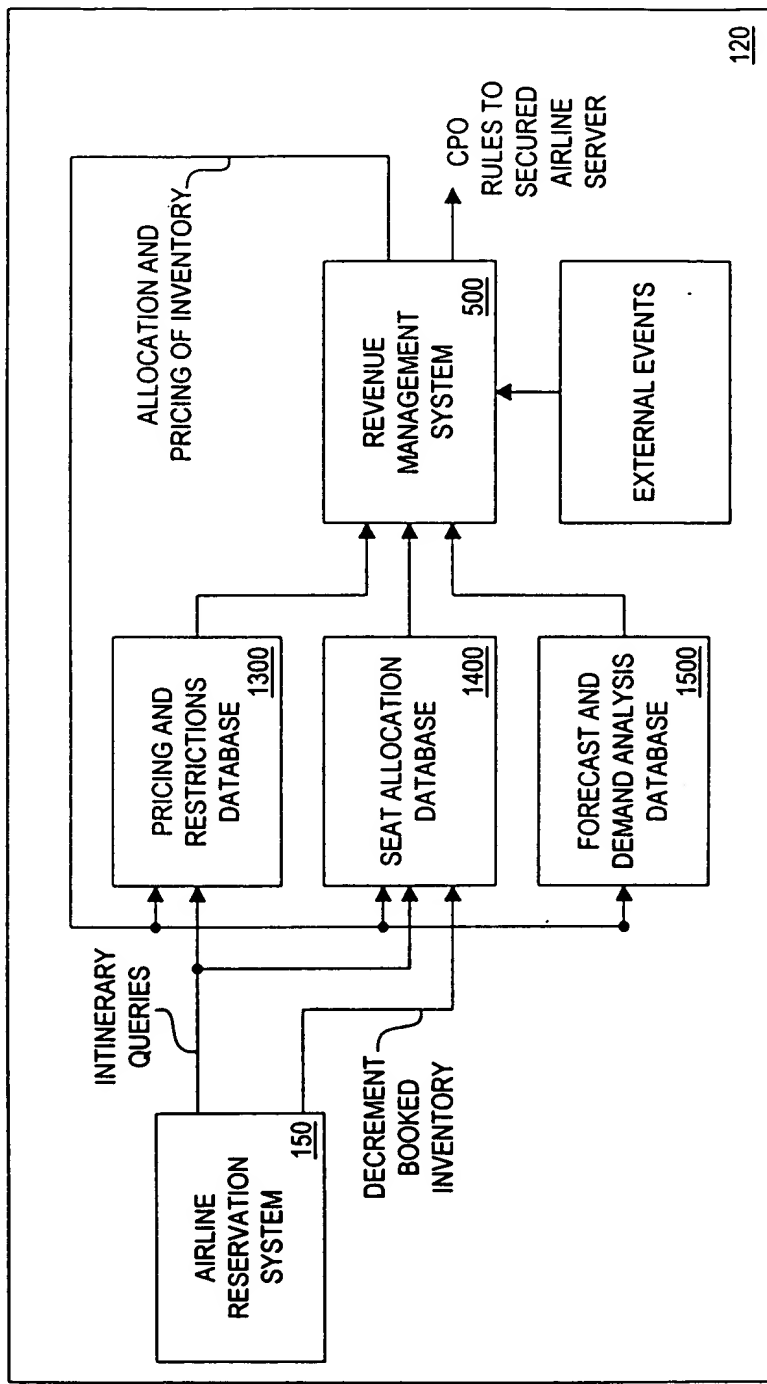


FIG. 5b

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

55877-1 "B37E-460"

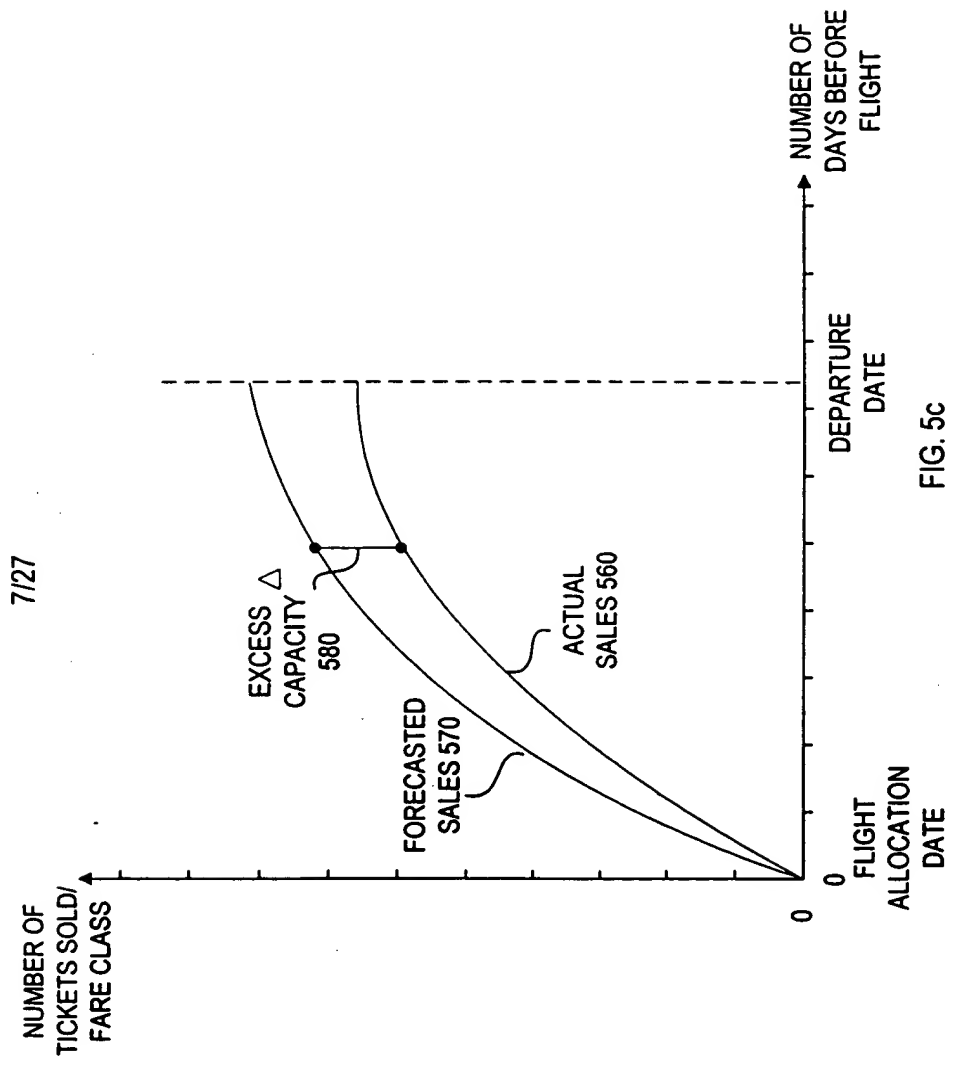


FIG. 5c

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SECRET "SECRET"

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CUSTOMER DATABASE 600

NAME	ADDRESS	CREDIT CARD NUMBER	ID NUMBER
GIACOMO SORENTINO	23 MAIN ST, BRIDGEPORT, CT	2222-3333-4444-5555	234546
BOBBY VALENTINO	43 PARK ST., HARTFORD, CT	9999-8888-7777-6666	65432
JOE SMITH	102 PINE ST. WATERBURY, CT	6767-9898-0101-2323	98765

FIG. 6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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AIRLINE DATABASE 700

AIRLINE NAME	ADDRESS	CONTACT	PUBLIC KEY	CPO ACCEPTANCE RATE
740	745	750	755	760
AMERICAN	25 MAIN STREEET, CHICAGO, IL	SUE JOHNSON	12347AD73E	37%
DELTA	102 45TH ST. NEW YORK, NY	BILL JOHNSON	35627A7C9	46%
UNITED	9492 6TH AVE. NEW YORK, NY	JOHN WILLIAMSON	1829CB612	4%

705

710

715

FIG. 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FLIGHT SCHEDULE
DATABASE 800

ORIGINATING AIRPORT	840	DESTINATION AIRPORT	845	DATE	850	TIME OF DEPARTURE	855	TIME OF ARRIVAL	860	AIRLINE	865	FLIGHT NUMBER	870	VIA	875
NASHVILLE, TN (BNA)		LOS ANGELES, CA (LAX)		12/12/96		12:00PM		6:00PM		AMERICAN		1870		NON-STOP	
NEW YORK CITY (JFK)		LOS ANGELES, CA (LAX)		01/01/97		7:00AM		3:04PM		AMERICAN		226		CHICAGO	
NEW YORK CITY (JFK)		SAN FRANCISCO, CA (SFO)		03/03/97		3:00PM		7:10PM		UNITED		300		NON-STOP	

805

810

815

FIG. 8

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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CPO DATABASE 900

CPO NUMBER	DATE	TRAVEL AGENT NUMBER	PRIMARY PASSENGER NAME	CUSTOMER ID	COMPANION PASSENGERS	ORIGINATING CITY	DESTINATION CITY	CONNECTION RESTRICTIONS
920	925	930	935	940	945	950	955	960
23456	4/20/97	4321	JOHN DOE	12345	MRS. JOHN DOE, JOHN DOE JR.	NEW YORK, NY (JFK)	LOS ANGELES, CA (LAX)	LEAVE SATURDAY
23457	4/21/97	2648	JAMES SMITH	45231	ANN SMITH	NEW YORK, NY (JFK)	CHICAGO, IL (MDW/ORD)	ONE STOP
23457	4/21/97	2648	JAMES SMITH	45231	ANN SMITH	NEW YORK, NY (JFK)	CHICAGO, IL (MDW/ORD)	ONE STOP

905

910

FIG. 9a

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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SECRET

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CPO DATABASE

DATES OF DEPARTURE	DATES OF RETURN	NUMBER OF PASSENGERS TRAVELING	PRICE PER TICKET	OTHER RESTRICTIONS	STATUS	PASSENGER NAME RECORD NUMBER
965	970	975	980	985	990	995
4/12/97-4/14/97	4/29/97-4/30/97	3	\$547.01		ACCEPTED	33333
4/22/97	4/30/97	2	\$188.00	N/A	PENDING	
4/22/97	4/30/97	2	\$200.00	N/A	PENDING	

FIG. 9b

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
RAFTSMAN		

SECRET - 3514463

13/27 SECURED AIRLINE RULES DATABASE 1000

RULE NUMBER 1010	ORIGINATING CITY 1012	DESTINATION CITY 1014	CONNECTION RESTRICTIONS 1016	FLIGHT NUMBERS 1018	DATE(S) OF DEPARTURE 1020	TIME(S) OF DEPARTURE 1022	DEPARTURE DAY OF WEEK 1024
45685	NEWARK, NJ (EWR)	ORLANDO, FL (MCO)	N/A	N/A	10/1/97-10/31/97	N/A	TUES-THURS
45687	NEW YORK, NY (JFK)	CHICAGO, IL (ORD)	THRU CLEVELAND OR PITTSBURG	N/A	4/1/97-5/31/97	11AM-2PM	TUES.

1002

1004

DATE(S) OF RETURN 1026	TIMES OF RETURN 1030	RETURN DAY OF WEEK 1032	NUMBER OF PASSENGERS TRAVELING 1034	LENGTH OF HAUL 1036	YIELD (\$1/MILE) 1038	MINIMUM PRICE 1040	INVENTORY RESTRICTIONS OR AVAILABILITY 1042	ADVANCE PURCHASE REQUIREMENTS 1044
10/1/97-10/31/97	N/A	TUES.-THURS.	AT LEAST 2	N/A	N/A	\$165.00	K INVENTORY ONLY	WITHIN 21 DAYS OF FLIGHT
4/1/97-5/31/97	11AM-2PM	MON.-THURS.	2	N/A	N/A	\$150.00	Q OR K INVENTORY ONLY	7-21 DAYS PRIOR TO FLIGHT

FIG. 10a

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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SECURED AIRLINES RULES
DATABASE - INVENTORY

1050

RULE NUMBER 1060	AIRLINE 1062	FLIGHT NO. 1064	DATE(S) 1066	NUMBER OF SEATS AVAILABLE 1068
234566	AMERICAN	249X	4/29/97	14
234567	AMERICAN	1209	5/1/97	25
2345678	AMERICAN	808	5/1/97	7

1052

1054

1056

FIG. 10b

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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SECURED AIRLINES RULES
DATABASE- PRICING

1075

AIRLINE 1088	ORIGINATING CITY 1090	DESTINATION CITY 1092	DATE(S) 1093	MINIMUM PRICE 1096
AMERICAN	CLEVELAND, OH (CLE)	NEW YORK, NY (JFK)	5/2/97-5/13/97	\$75
AMERICAN	CLEVELAND, OH (CLE)	LOS ANGELES, CA (LAX)	5/1/97-5/13/97	\$260
AMERICAN	NEW YORK, NY (JFK)	CHICAGO, IL (ORD)	5/1/97-5/31/97	\$182

1080

1080

1080

FIG. 10c

APPROVED	O.G. FIG.	
BY .	CLASS	SUBCLASS
DRAFTSMAN		

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COUNTER OFFER RULES
DATABASE 1100

RULE NUMBER	DATE(S) OF DEPARTURE	TIME(S) OF DEPARTURE	DATE(S) OF RETURN	TIME(S) OF RETURN
45687	WITHIN 1 DAY	WITHIN 2 HOURS	WITHIN 1 DAY	WITHIN 2 HOURS

1105

1110

NUMBER OF PASSENGERS TRAVELLING	LENGTH OF HAUL	YIELD	MINIMUM PRICE	ADVANCE PURCHASE REQUIREMENTS
AT LEAST 2	N/A	N/A	WITHIN 10%	WITHIN 2 DAYS

FIG. 11

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SECRET - 85F4450

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SECURED AIRLINE AUDIT
DATABASE 1200

CPO NUMBER	ANSWER RESPONSE	DATE	TIME	PASSENGER NAME RECORD NUMBER	TICKET BOOKED
1220		1230	1235	1235	1235
2345	YES	4/5/97	3:40PM	56789	ANOTHER AIRLINE
2346	NO	4/6/97	2:00PM	98765	NO TICKET BOOKED
2347	YES	4/8/97	12:00PM	34567	THIS AIRLINE

1205

1210

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FIG. 12

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SECRET - 3374450

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PRICING AND RESTRICTIONS
DATABASE 1300

FLIGHT	DATE	INVENTORY K PRICE	INVENTORY K RESTRICTION	INVENTORY Y PRICE	INVENTORY Y RESTRICTION
AL654	4/16/97	\$50.00	7 DAY RETURN	\$40.00	RETURN FRIDAY
DB120	5/12/97	\$75.00	RETURN FRIDAY	\$60.00	ONE STOP
124C	6/3/97	\$25.00	ONE STOP	\$20.00	7 DAY RETURN

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FIG. 13

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SEAT SET

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SEAT ALLOCATION
DATABASE 1400

FLIGHT NUMBER	DEPARTURE DATE	INVENTORY K SEATS AVAILABLE	INVENTORY Y SEATS AVAILABLE	TOTAL SEATS BOOKED 1045	TOTAL CAPACITY
12345	5/15/97	42	114	144	300
23456	5/15/97	36	200	64	300
34567	5/15/97	58	97	145	300
45678	5/15/97	27	212	61	300

1405

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1420

FIG. 14

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

55377" 3374450

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 FORECAST AND DEMAND
 ANALYSIS DATABASE 1500

FLIGHT NUMBER	DEPARTURE DATE	ORIGINATING CITY	DESTINATION CITY	OFFERED PRICE	FARE CLASS	ACTUAL QUANTITY SOLD	FORECASTED QUANTITY
<u>1530</u>	<u>1535</u>	<u>1540</u>	<u>1545</u>	<u>1550</u>	<u>1555</u>	<u>1560</u>	
1234	3/3/97	NEW YORK (JFK)	LOS ANGELES (LAX)	\$349	Y	70	300
1234	3/3/97	NEW YORK (JFK)	LOS ANGELES (LAX)	\$339	Y	100	130
1234	3/3/97	NEW YORK (JFK)	LOS ANGELES (LAX)	\$329	Y	130	140
1234	3/3/97	NEW YORK (JFK)	LOS ANGELES (LAX)	\$409	K	7	20
1234	3/3/97	NEW YORK (JFK)	LOS ANGELES (LAX)	\$399	K	40	60

1505
 1510
 1515
 1520
 1525

FIG. 15

CPO MANAGEMENT PROCESS 1600

RECEIVE CUSTOMER INFORMATION, ITINERARY,
PRICE AND OTHER RESTRICTIONS FROM
CUSTOMER OR TRAVEL AGENT 1608

DISPLAY LEGAL LANGUAGE AND AWAIT
ACKNOWLEDGEMENT TO FORM CONDITIONAL
PURCHASE OFFER (CPO) 161

EXTRACT PRICE FROM CPO DATABASE AND
CUSTOMER INFORMATION FROM CUSTOMER
DATABASE 1620

TRANSMIT MERCHANT ID, BILLING DESCRIPTOR,
TOTAL PURCHASE AMOUNT AND CREDIT CARD
INFORMATION TO CREDIT CARD ISSUER FOR PRE-
AUTHORIZATION 1624

RECEIVE
AUTHORIZATION CODE FROM
CREDIT CARD ISSUER?

REQUEST
ANOTHER
CREDIT CARD
FROM BUYER
1632

ACCEPT CPO 1636

a) TO FIG. 16b

FIG. 16a

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a FROM FIG. 16a

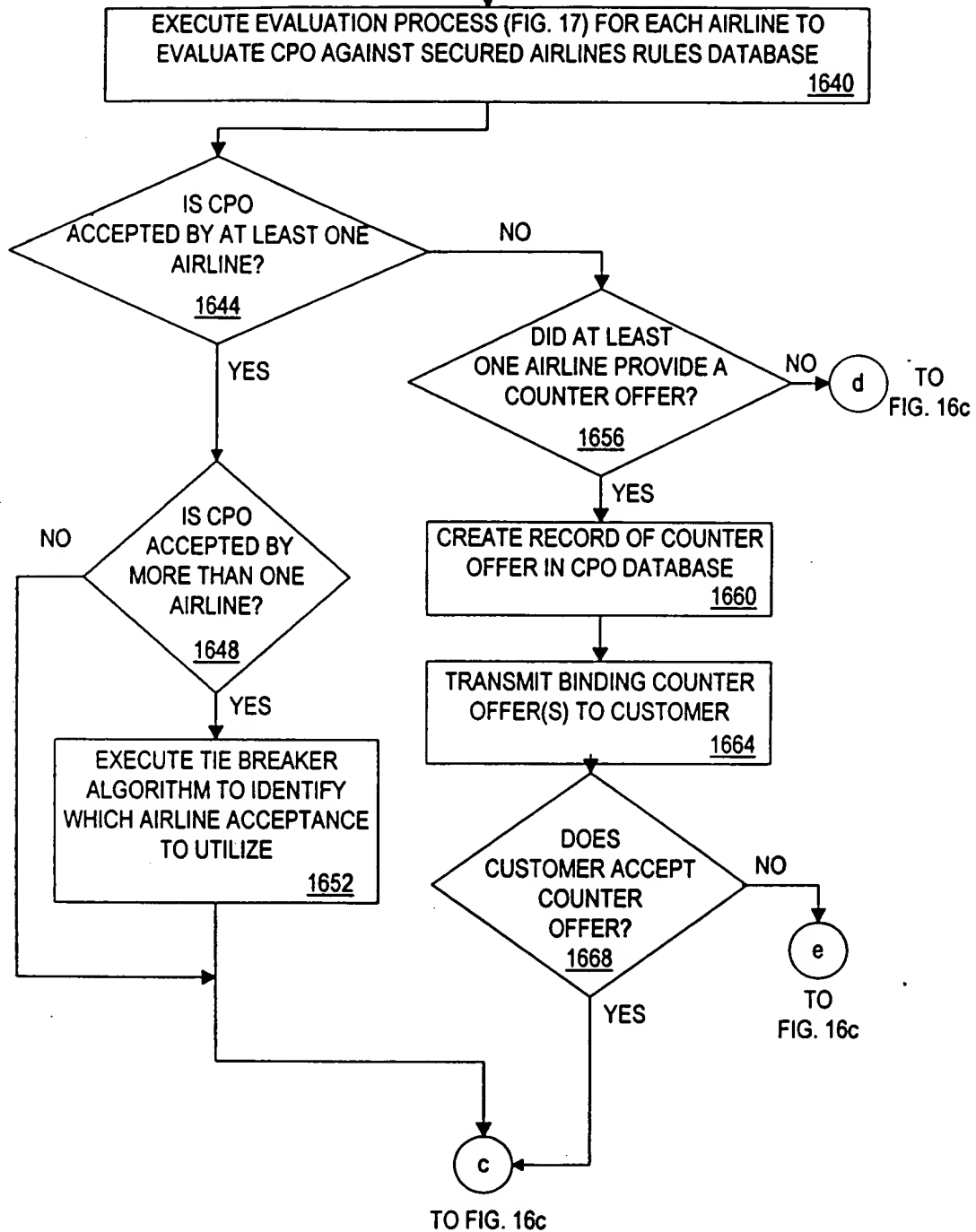


FIG. 16b

03443158 44899

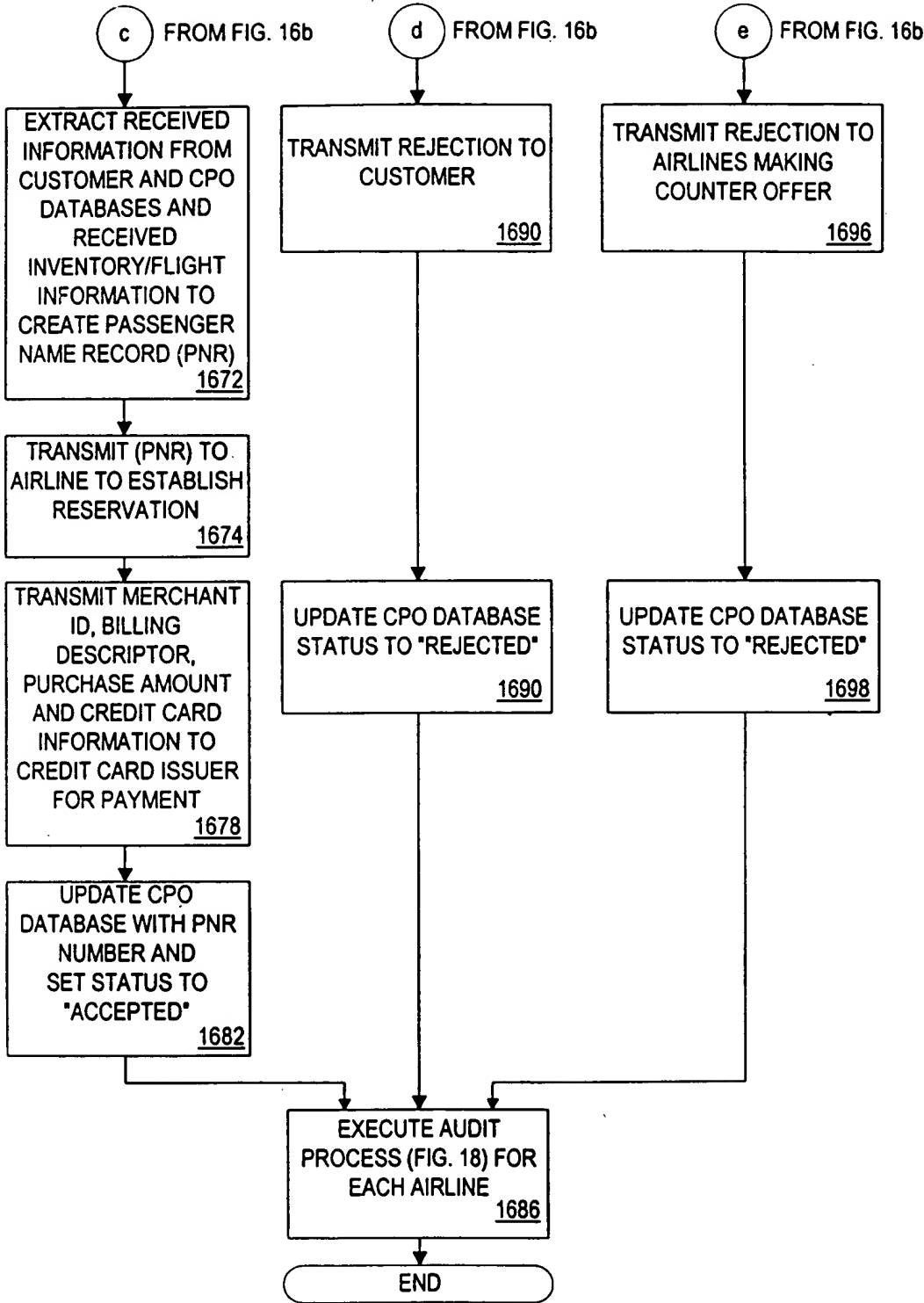
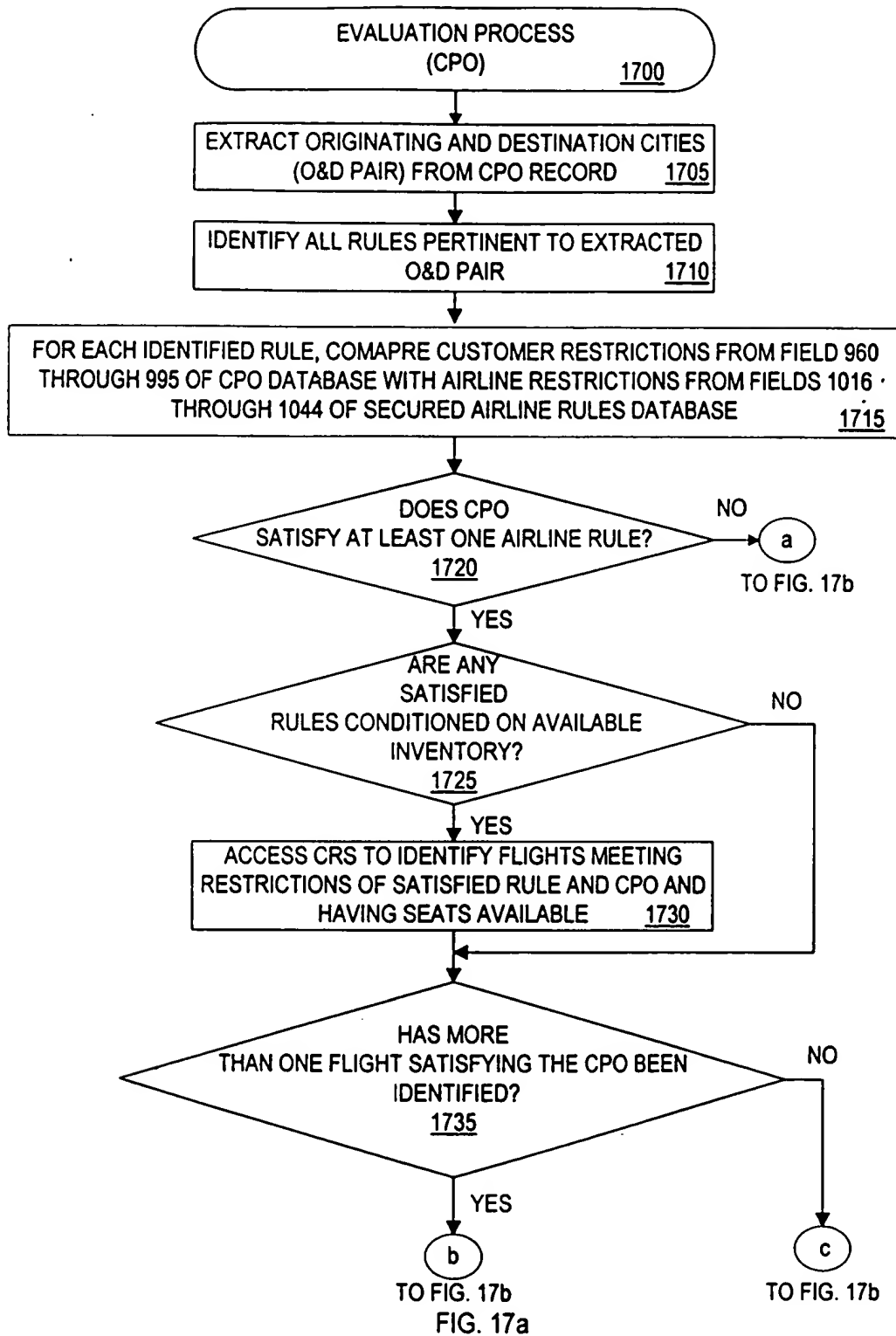


FIG. 16c

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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004438-11890

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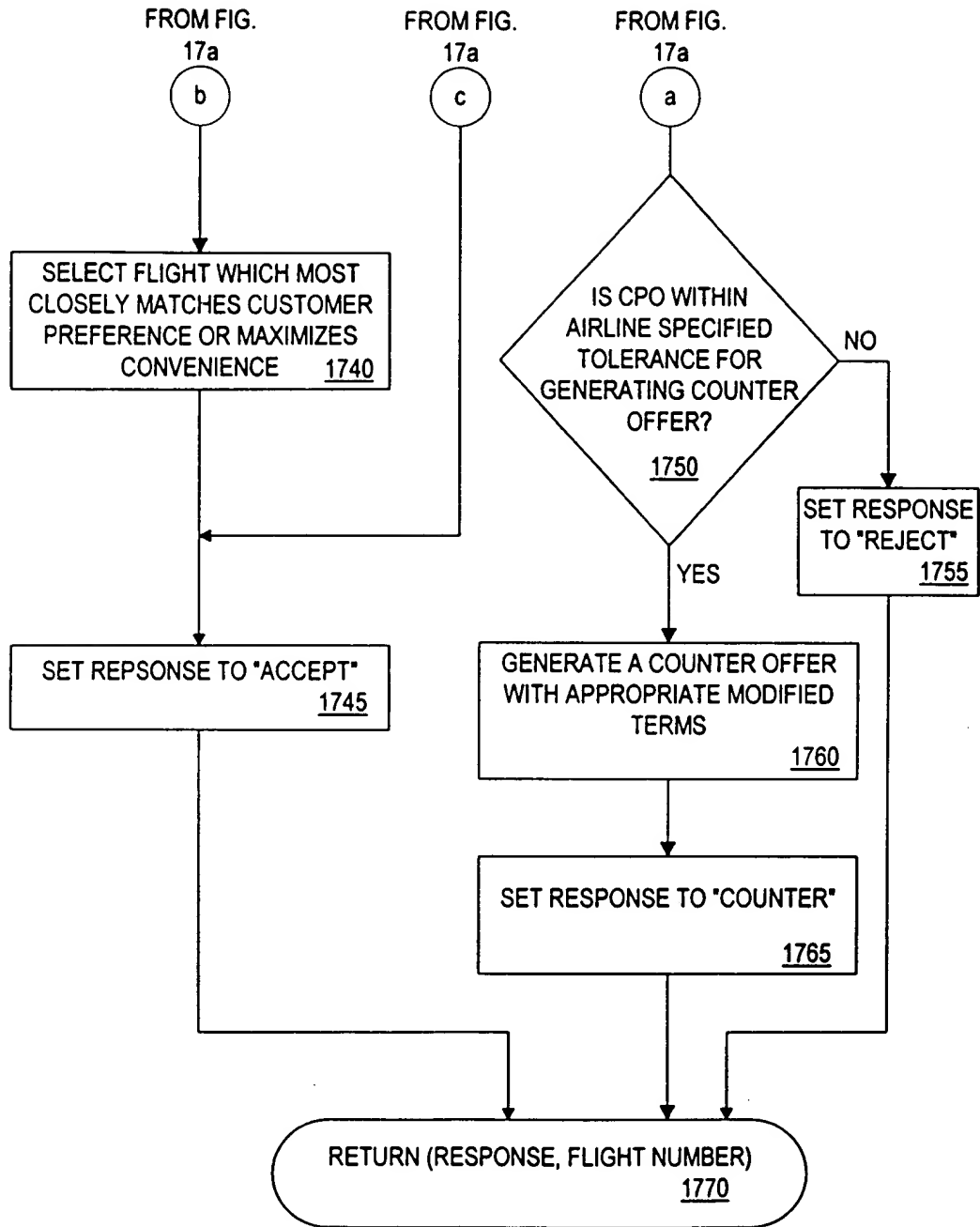


FIG. 17b

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
CRAFTSMAN		

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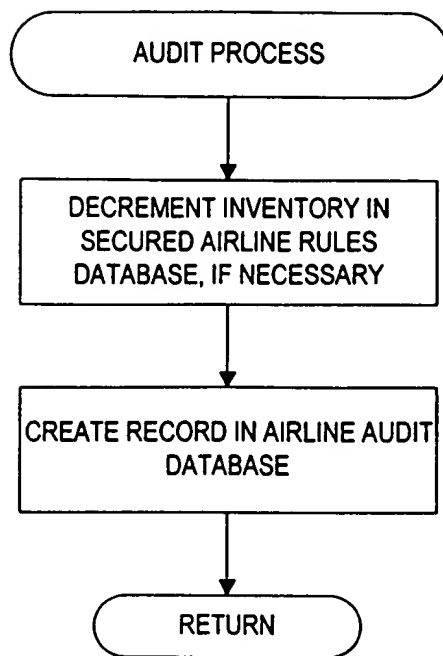


FIG. 18

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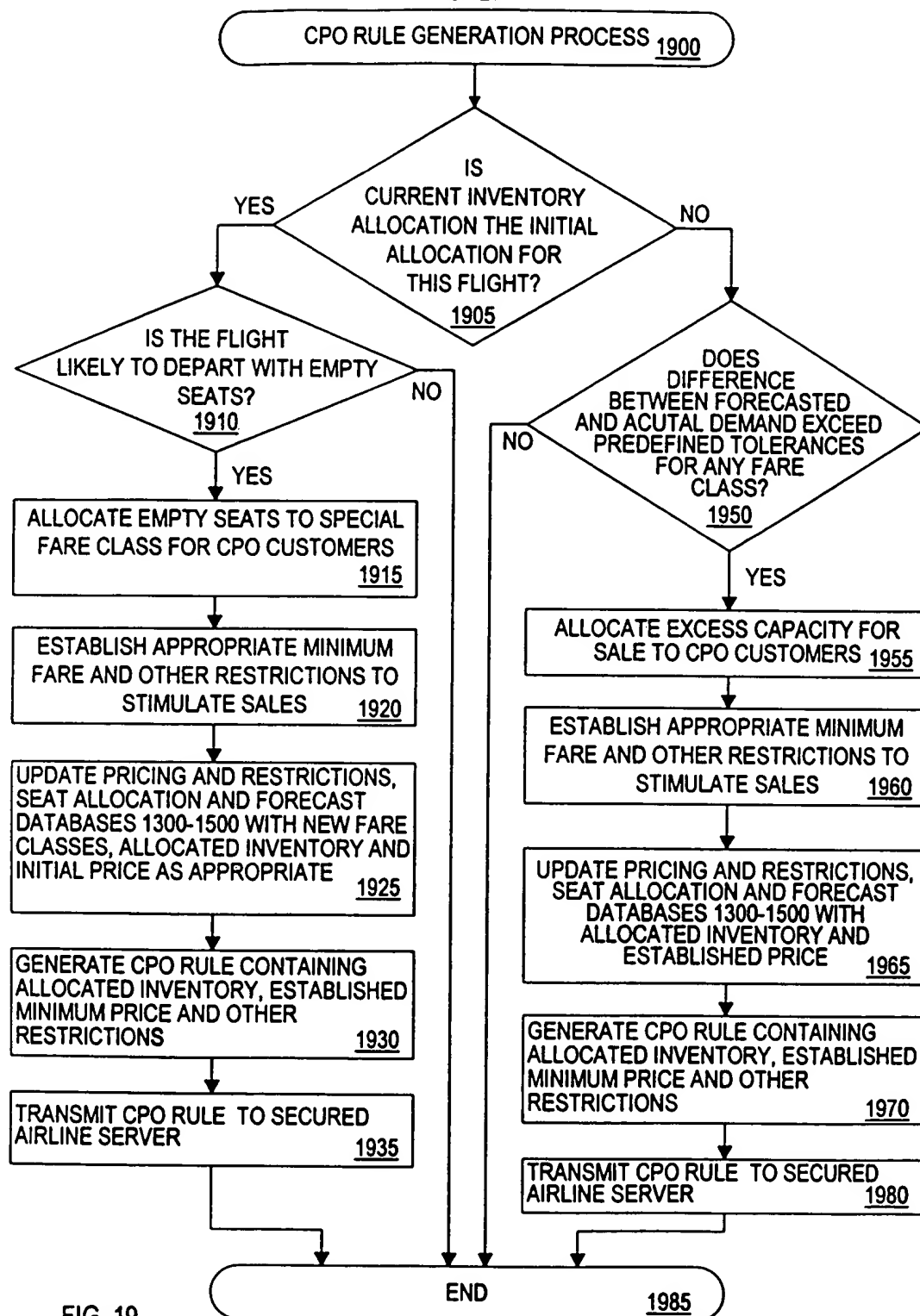


FIG. 19

044315-1139